Creating the USMC "Net Centric" DATA SOLUTION

- **Supporting:**
  - **Defense Readiness Reporting System (DRRS)**
  - **Global Force Management (GFM)**

Requirements

- **DRRS – OSD (P&R) initiative**
  - **DoD 7730.65 dtd 3 Jun 02**
    - **Establishes a network of interdependent programs, processes, applications, and systems to enable a capabilities-based, adaptive, near real-time readiness reporting system for DoD.**
    - **Units report readiness in terms of 3 types of Mission Essential Tasks(METs)**
      - **Unit Designed Mission**
      - **Assigned Mission**
      - **Level IV OPLAN mission**
  - **USMC units reporting METs via ESORTS by Sep 05**
  - **USMC resource data extracts (Personnel and Equipment) being web enabled and posted on JFCOM host web site.**

Requirements (Continued)

- **GFM – CJCS J-8 initiative**
  - **Chartered as a Community of Interest (COI) to support Network Information Integration (NII) strategy for the force management domain.**
  - **Develop a TEEP/DEPTEMPO tool that ICW DRRS source data, activity, and location will support management of the force writ large (ie JFP).**
  - **Current GFM development effort – Logical Data Model (LDM)**
    - **Service Force Structure Data is key to identification of capabilities and exchanging data.**
    - **Personnel, Equipment, and Battle Command system databases are customers of force structure data.**
    - **Using NATO's C2IEDM (Command & Control Information Exchange Data Model) as the basis for developing the model.**
    - **Booz Allen Hamilton developing Service prototypes to demonstrate the concept.**

Interim Guidance Response

- **HQMC reports via JQRR process IAW CJCSI 3401.01D (M-level criteria) until JQRR is automated.**
- **USMC Units reporting by METs in ESORTS:**
  - **MARFORPAC's core and named METs loaded in ESORTS. OPLAN METs migration from JDRAT remains a work in process.**
    - **I MEF unit trained 31 Jan – 1 Feb 05.**
    - **III MEF unit trained 28 Feb-2 Mar 05.**
  - **MARFORLANT reporting in ESORTS by 15 APR 05.**
    - **II MEF unit trained 3-4Mar 05.**
  - **MARFORRES units reporting by 30 Sep 05.**
  - **Other MARFORs training to support their COCOMs.**
    - **MARFOREUR projected Mar 05.**
- **MCCDC refined MCTL (includes METs for all reportable units) projected completion date Apr 05.**

Assumptions

- **Services have the data but it needs to be exposed vice creating a new database.**
  - **Size of data will not decrease.**
  - **Standard data elements do not contain standard data across the Services.**
- **Bandwidth remains the limitation.**
  - **Force Management Identifiers (FMIDs) potential solution.**
  - **FMIDs links can be passed daily, resource/force structure data tables can be passed monthly/quarterly. (Static nodes/Dynamic links).**
- **Need to access data is time sensitive and need not rely on a continuous "up link".**

DRRS/GFM Scopes

- **DRRS Scope**
  - **INPUT – Funding**
  - **PROCESSING**
    - **Force Structure (Sorter/Filter)**
    - **Service Resources (Personnel, Equipment, Ammo)**
  - **OUTPUT - MET assessments (Training)**
  - **FEEDBACK**
    - **Deficiencies reported as personnel, equipment, or time to train.**
      - **Quantifiable in terms of funding.**

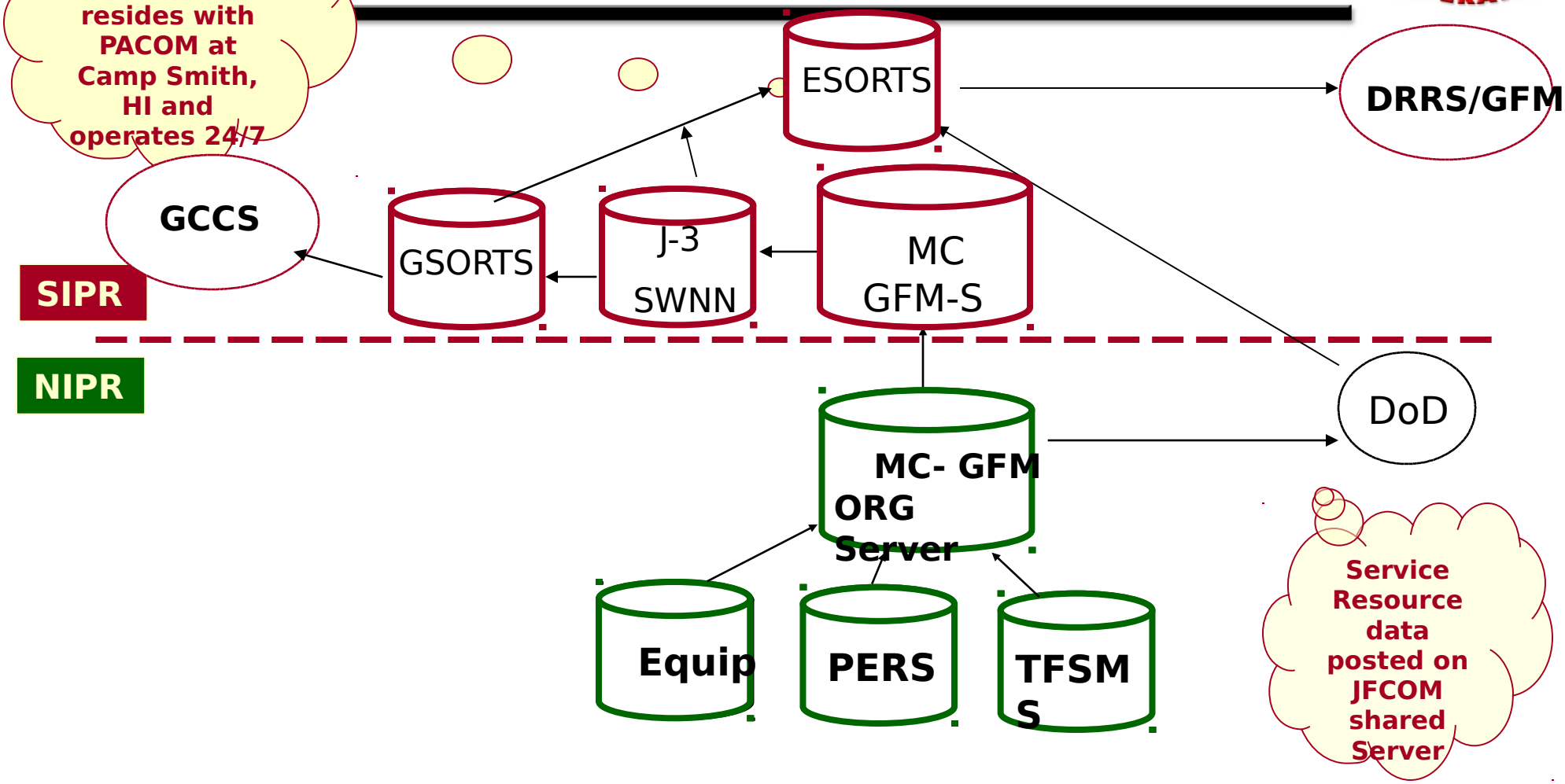
Includes Global Visibility Capability and GFM Information Exchange Data Model

GFM Scope

USMC
Data System Design Overview

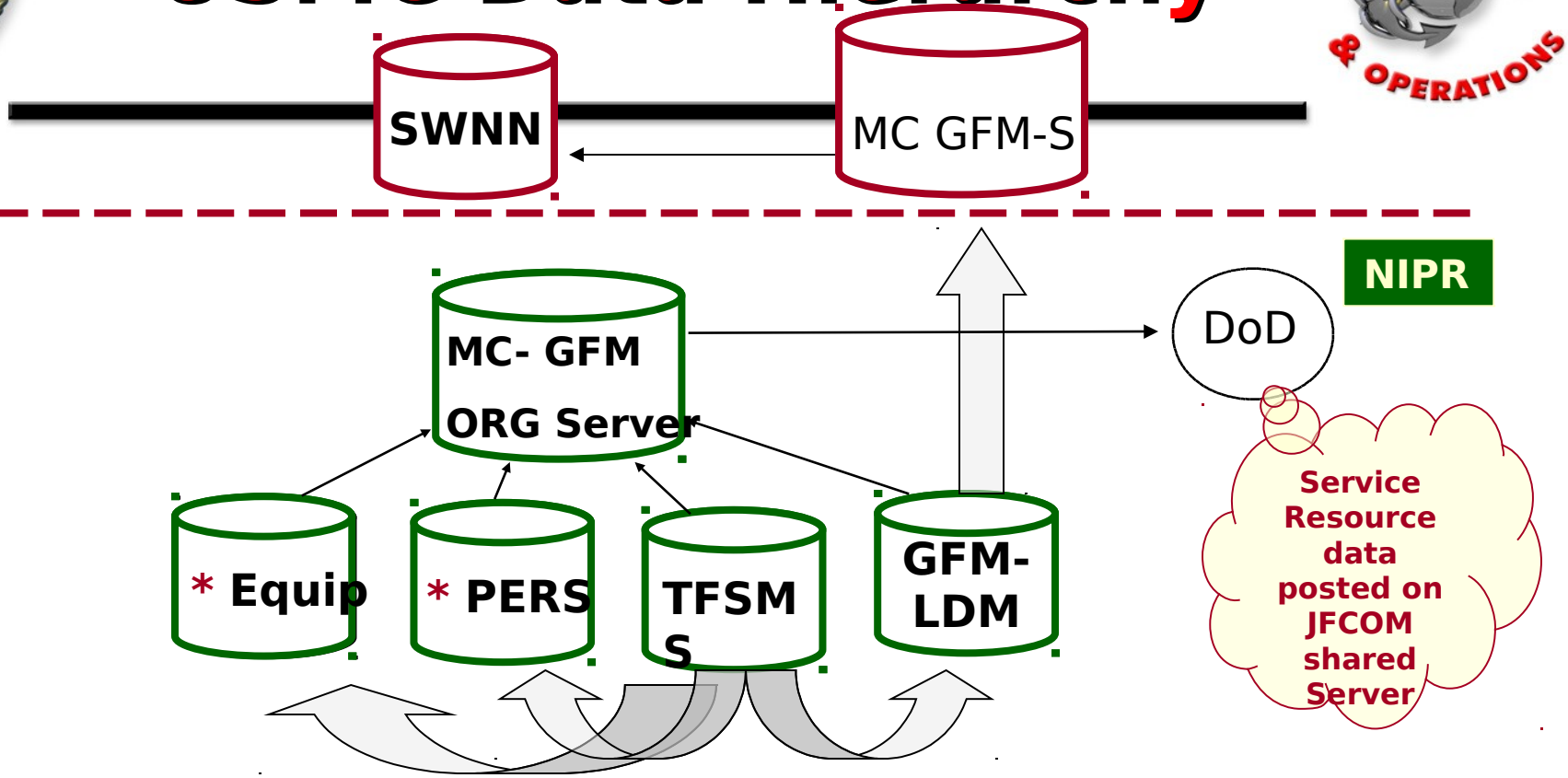
- **Web-base existing/emerging Service resource databases IOT link resources to the Commander's ability to accomplish a mission as reported in ESORTS.**
  - **Personnel = ODSE to DIMHRS (Jan 07)**
  - **Equipment = MERIT/NALCOMIS to GCSS-MC (Sep 07)**
  - **Force Structure = TFSMS providing data extracts to GFM-LDM (Fall 05)**

USMC
DRRS/GFM Data Solution



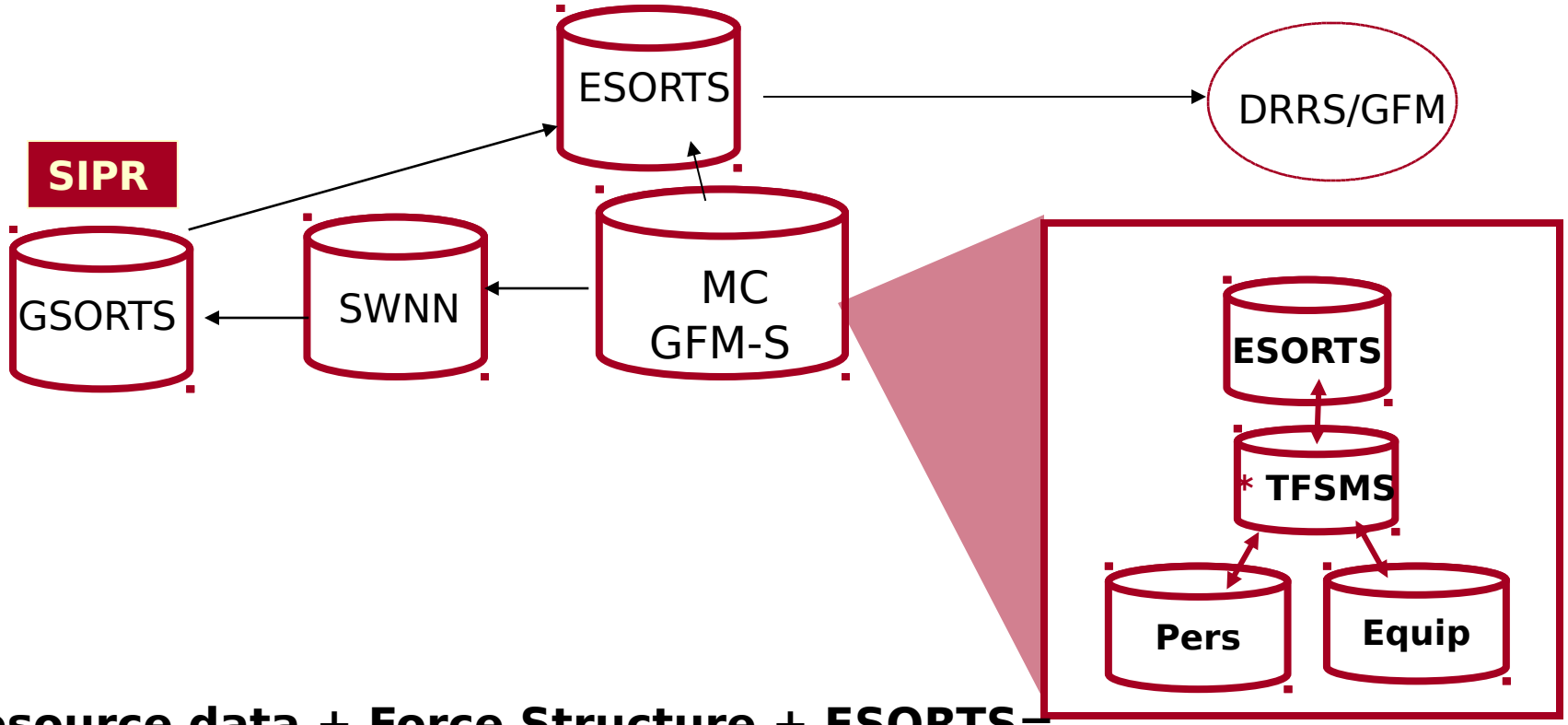
Equip = Equipment = MERIT/NALCOMIS to GCSS-MC (SEP 07)
PERS = Personnel = ODSE to DIMHRS (JAN 07)
FS = Force Structure = TFSMS to GFM-LDM (Apr 05)

USMC Data Hierarchy



- TFSMS to provide authoritative force structure data to Personnel and Equipment databases to include Joint requirement for GFM-LDM and JS J-3 SWNN.
-TFSMS data to include a Basic Identification Code (BIC) contains T/O or T/E number + line number for each individual asset.
*** Denotes Set**

USMC Data Hierarchy (Continued)



-Resource data + Force Structure + ESORTS=
An amount of data too large to integrate as a single data base.
- Data must be tiered.
- BIC enables TFSMS to aggregate resource data with structure.
- Force Module Identifiers (FMIDS) assigned to each resource data record may be paired with their corresponding assigned force structure record's FMIDS.

*** Denotes Set**

Way Ahead Requirements

- OSD to develop and publish XML Schema. Standardized XML required to link data and minimize protocol transmissions.
- J-8 in coordination with OSD to publish FMID standard. Current focus limited to GFM-IEDM.
- OSD AT&L working on Installations/stations reporting standards

Questions?